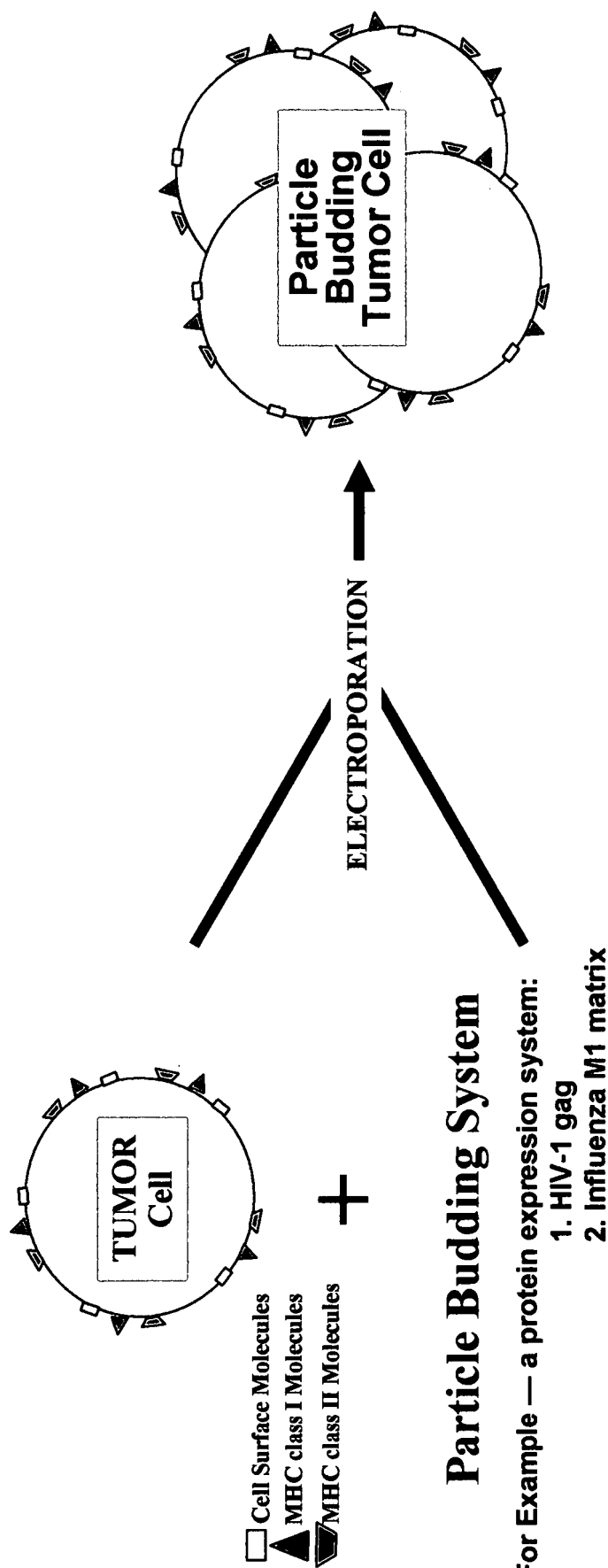


**Figure 1**

## **Schematic Representation of Construction of a Virus-Like-Particle Producing Tumor Cell**



**Figure 2**

# **Schematic Representation of the introduction of Co-stimulatory Molecules into the budding particles released from tumor cells**

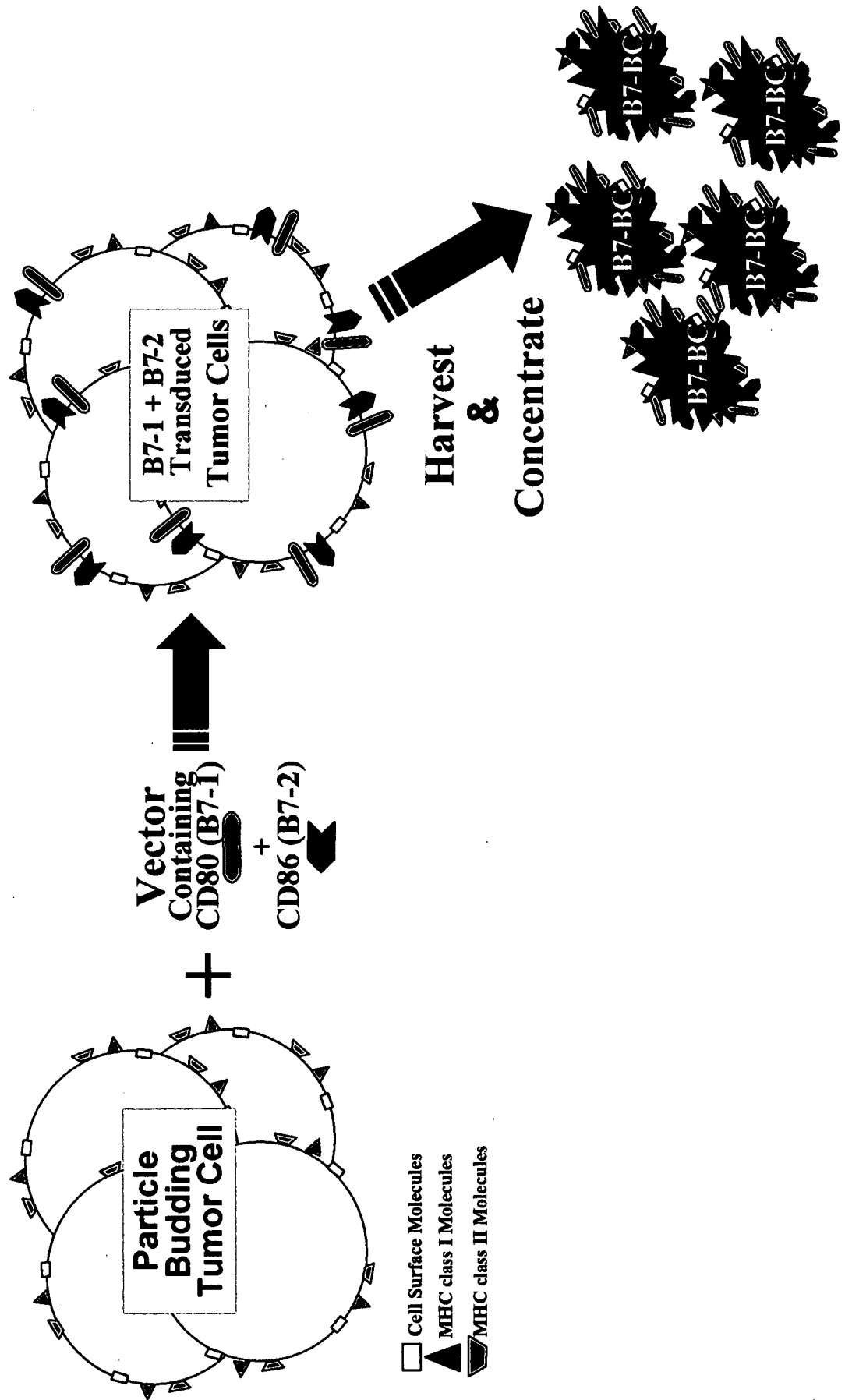
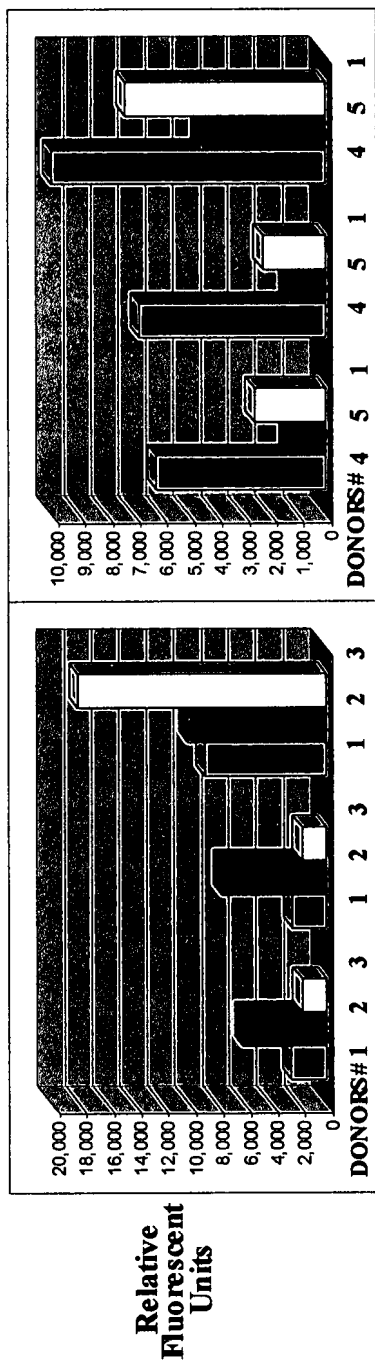


Figure 3

Comparing T-cell proliferation between:  
hPBMCs not treated  
hPBMCs treated with Biological Particles / Carriers  
from unmodified cultures  
hPBMCs PHA treated

Two biological carrier preparations (BCs) shown each tested on cells from 3 donors

Left Panel: HSV-2 based with donor #1, 2 & 3 cells  
Right Panel: HIV-1 based with donor #4, 5 & 1 cells



hPBMC cultures → Not Treated    Treated with BCs from unmodified cultures

PHA    HIV-2 based    HIV-1 based

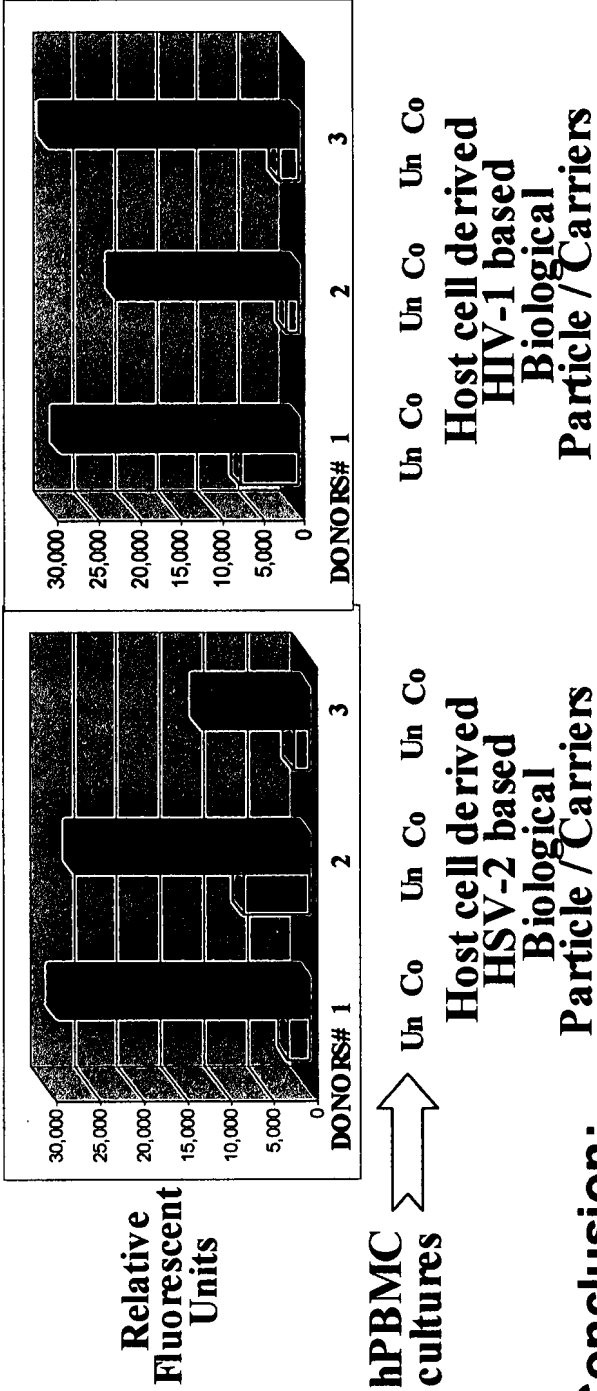
Not Treated    Treated with BCs from unmodified cultures

**Conclusion:**  
Biological particles / carrier preparations from unmodified host cells are NOT stimulatory

**Figure 4**  
**Comparing T-cell proliferation with HSV-2 & HIV-1 based biological particle / carrier preparations:**

Unmodified (Un) host cells  
Costimulatory-transduced (Co) host cells

Unstimulated hPBMCs (not PHA-treated) were exposed to the indicated preparation  
Left Panel: Compares 6 day treatment of donor #1, 2 & 3 T-cells with HSV-specific particles formed from Un and Co transduced host cells  
Right Panel: Compares 6 day treated donor #4, 5 & 1 T-cells with HIV-specific particles formed from Un and Co transduced host cells



**Conclusion:**  
Biological particle / carrier preparations derived from costimulatory transduced host cells are stimulatory